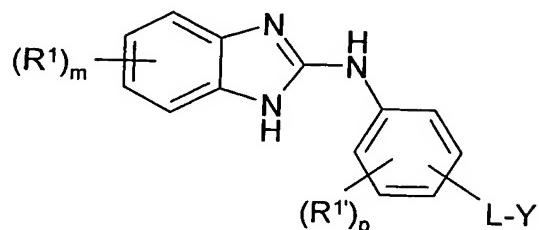


Patent Claims**1. Compounds of the formula I**

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in which

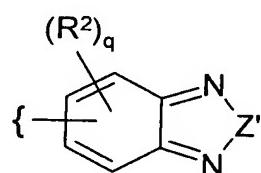
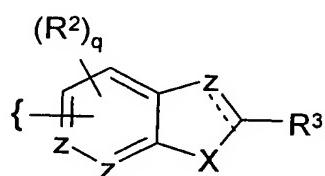
R^1 , $R^{1'}$ each, independently of one another, denote Hal, A, OH, OA, CN, COOH, COOA, CONH₂, CONHA or CONA₂,

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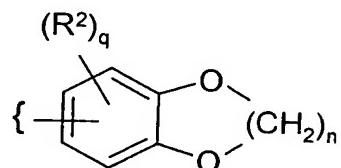
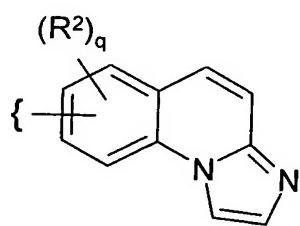
L denotes CH₂, CH₂CH₂, O, S, SO, SO₂, NH, NA, C=O or CHO,

Y denotes a heterocycle selected from the list

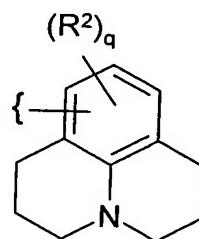
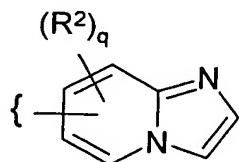
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R² denotes Hal, A, OH, OA, CN, COOH, COOA, CONH₂, CONHA or CONA₂,

R³ denotes H, A, NH₂, COOH, COOA, CONH₂, CONHA, CONA₂ or NHCOOA,

5 X denotes S, O, NH, NA or CH₂,

Z denotes -CH=, CH₂, NH, -N= or C=O,

Z' denotes S or O,

A denotes unbranched, branched or cyclic alkyl having 1-10 C atoms, in which, in addition, 1-7 H atoms may be replaced by F and/or chlorine,

10 Hal denotes F, Cl, Br or I,

m, p, q each, independently of one another, denote 0, 1, 2, 3 or 4,

n denotes 1, 2 or 3,

15 and pharmaceutically usable derivatives, solvates, salts and stereoisomers thereof, including mixtures thereof in all ratios.

2. Compounds according to Claim 1, in which

20 R¹ denotes A or Hal,

m denotes 1, 2 or 3,

and pharmaceutically usable derivatives, solvates, salts and stereoisomers thereof, including mixtures thereof in all ratios.

25 3. Compounds according to Claim 1 or 2, in which

R¹ denotes CF₃, F or Br,

m denotes 1, 2 or 3,

30 and pharmaceutically usable derivatives, solvates, salts and stereoisomers thereof, including mixtures thereof in all ratios.

4. Compounds according to one or more of Claims 1-3, in which

35 R^{1'} denotes Hal or A,

p denotes 0 or 1,

and pharmaceutically usable derivatives, solvates, salts and stereoisomers thereof, including mixtures thereof in all ratios.

5. Compounds according to one or more of Claims 1-4, in which

L denotes O, S or CH₂,

and pharmaceutically usable derivatives, solvates and stereoisomers thereof, including mixtures thereof in all ratios.

10. 6. Compounds according to one or more of Claims 1-5, in which

R² denotes A, COOA or CONH₂,

q denotes 0, 1 or 2,

and pharmaceutically usable derivatives, solvates, salts and stereoisomers thereof, including mixtures thereof in all ratios.

15

7. Compounds according to one or more of Claims 1-6, in which

R³ denotes H, NH₂ or COOA,

and pharmaceutically usable derivatives, solvates, salts and stereoisomers thereof, including mixtures thereof in all ratios.

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8. Compounds according to one or more of Claims 1-7, in which

R¹ denotes A or Hal,

m denotes 1, 2 or 3,

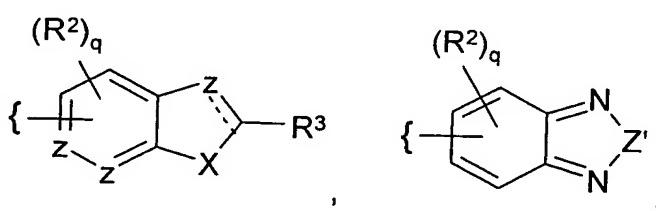
R^{1'} denotes Hal or A,

p denotes 0 or 1,

L denotes O, S or CH₂,

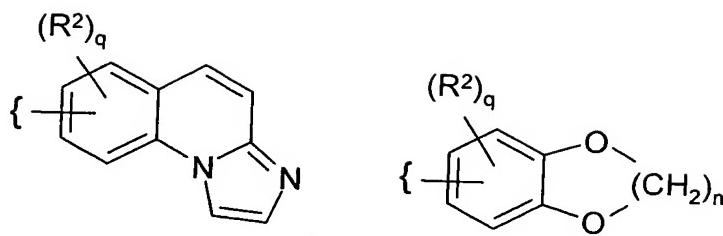
Y denotes a heterocycle selected from the list

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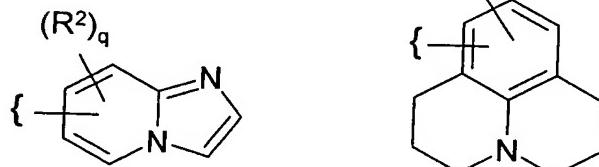


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R^2 denotes A, COOA or CONH₂,

q denotes 0, 1 or 2,

R^3 denotes H, NH₂ or COOA,

n denotes 1, 2 or 3,

and pharmaceutically usable derivatives, solvates, salts and stereoisomers thereof, including mixtures thereof in all ratios.

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9. Compounds according to Claim 1, selected from the group

[4-(benzo-1,2,5-thiadiazol-5-yloxy)phenyl]-(4-bromo-6-trifluoromethyl-1*H*-benzimidazol-2-yl)amine,

[4-(benzo-1,2,5-thiadiazol-5-yloxy)phenyl]-(4-chloro-6-trifluoromethyl-1*H*-benzimidazol-2-yl)amine,

[4-(benzo[1,3]dioxol-5-yloxy)phenyl]-(4-chloro-6-trifluoromethyl-1*H*-benzimidazol-2-yl)amine,

[4-(benzo-1,2,5-thiadiazol-4-yloxy)phenyl]-(4-bromo-6-trifluoromethyl-1*H*-benzimidazol-2-yl)amine,

(4-bromo-6-trifluoromethyl-1*H*-benzimidazol-2-yl)-[4-(imidazo[1,2-a]quinolin-9-yloxy)phenyl]amine,

(4-chloro-6-trifluoromethyl-1*H*-benzimidazol-2-yl)-[4-(imidazo[1,2-a]quinolin-9-yloxy)phenyl]amine,

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(7-bromo-5-trifluoromethyl-1*H*-benzimidazol-2-yl)-[4-(2-butyl-imidazo[4,5-*b*]pyridin-4-ylmethyl)phenyl]amine,
[4-(2-butylimidazo[4,5-*b*]pyridin-4-ylmethyl)phenyl]-[7-chloro-5-trifluoromethyl-1*H*-benzimidazol-2-yl]amine,
5 (4-chloro-6-trifluoromethyl-1*H*-benzimidazol-2-yl)-[4-(1*H*-indol-6-yloxy)phenyl]amine,
[4-(benzo-1,2,5-thiadiazol-4-yloxy)phenyl]-[4-chloro-6-trifluoromethyl-1*H*-benzimidazol-2-yl]amine,
10 (4-bromo-6-trifluoromethyl-1*H*-benzimidazol-2-yl)-[4-(1*H*-indol-5-yloxy)phenyl]amine,
(4-chloro-6-trifluoromethyl-1*H*-benzimidazol-2-yl)-[4-(1*H*-indol-5-yloxy)phenyl]amine,
15 (4-bromo-6-trifluoromethyl-1*H*-benzimidazol-2-yl)-[4-(1*H*-indol-6-yloxy)phenyl]amine,
(7-bromo-5-trifluoromethyl-1*H*-benzimidazol-2-yl)-(4-imidazo[4,5-*b*]pyridin-3-ylmethylphenyl)amine,
20 (7-chloro-5-trifluoromethyl-1*H*-benzimidazol-2-yl)-(4-imidazo[4,5-*b*]pyridin-3-ylmethylphenyl)amine,
(7-bromo-5-trifluoromethyl-1*H*-benzimidazol-2-yl)-[4-(2,3,6,7-tetrahydro-1*H*,5*H*-pyrido[3,2,1-*ij*]quinolin-8-yloxy)phenyl]amine,
25 (7-chloro-5-trifluoromethyl-1*H*-benzimidazol-2-yl)-[4-(2,3,6,7-tetrahydro-1*H*,5*H*-pyrido[3,2,1-*ij*]quinolin-8-yloxy)phenyl]amine,
ethyl 5-[4-(7-bromo-5-trifluoromethyl-1*H*-benzimidazol-2-yl-amino)phenoxy]-1*H*-indole-2-carboxylate,
30 ethyl 5-[4-(7-chloro-5-trifluoromethyl-1*H*-benzimidazol-2-yl-amino)phenoxy]-1*H*-indole-2-carboxylate,
methyl 7-[4-(7-bromo-5-trifluoromethyl-1*H*-benzimidazol-2-yl-amino)phenoxy]benzofuran-2-carboxylate,
35 methyl 7-[4-(7-chloro-5-trifluoromethyl-1*H*-benzimidazol-2-yl-amino)phenoxy]benzofuran-2-carboxylate,

[4-(benzo-1,2,5-oxadiazol-5-yloxy)phenyl]-(4-bromo-6-trifluoromethyl-1*H*-benzimidazol-2-yl)amine,

7-[4-(4-bromo-6-trifluoromethyl-1*H*-benzimidazol-2-ylamino)-phenoxy]benzofuran-2-carboxamid,

5 7-[4-(4-chloro-6-trifluoromethyl-1*H*-benzimidazol-2-ylamino)-phenoxy]benzofuran-2-carboxamid,

[4-(benzo-1,2,5-oxadiazol-5-yloxy)phenyl]-(4-fluoro-6-trifluoromethyl-1*H*-benzimidazol-2-yl)amine,

10 [4-(benzo-1,2,5-thiadiazol-4-yloxy)phenyl]-(4-fluoro-6-trifluoromethyl-1*H*-benzimidazol-2-yl)amine,

[4-(benzo[1,3]dioxol-5-yloxy)phenyl]-(4-bromo-6-trifluoromethyl-1*H*-benzimidazol-2-yl)amine,

15 (4-bromo-6-trifluoromethyl-1*H*-benzimidazol-2-yl)-[4-(3-methyl-3*H*-imidazo[4,5-*c*]pyridin-4-ylsulfanyl)phenyl]amine,

6-[4-(7-chloro-5-trifluoromethyl-1*H*-benzimidazol-2-ylamino)-phenoxy]-4,7-dimethylbenzothiazol-2-ylamine,

20 (7-chloro-5-trifluoromethyl-1*H*-benzimidazol-2-yl)-[4-(imidazo[1,2-*a*]pyridin-8-yloxy)phenyl]amine,

[4-(benzo-1,2,5-thiadiazol-5-yloxy)phenyl]-(4-fluoro-6-trifluoromethyl-1*H*-benzimidazol-2-yl)amine,

25 [4-(benzo-1,2,5-thiadiazol-5-yloxy)phenyl]-(4,6-difluoro-1*H*-benzimidazol-2-yl)amine,

(4-bromo-6-trifluoromethyl-1*H*-benzimidazol-2-yl)-[2-(2,3-dihydrobenzo[1,4]dioxin-6-yloxy)phenyl]amine,

[4-(benzo-1,2,5-thiadiazol-5-yloxy)phenyl]-(4,5-difluoro-1*H*-benzimidazol-2-yl)amine,

30 [4-(benzo-1,2,5-thiadiazol-5-yloxy)phenyl]-(5,6-difluoro-1*H*-benzimidazol-2-yl)amine,

(7-chloro-5-trifluoromethyl-1*H*-benzimidazol-2-yl)-[2-(2,3-dihydrobenzo[1,4]dioxin-6-yloxy)phenyl]amine,

6-[4-(7-chloro-5-trifluoromethyl-1*H*-benzimidazol-2-ylamino)-phenoxy]benzothiazol-2-ylamine,
(6,7-difluoro-1*H*-benzimidazol-2-yl)-[4-(3-methyl-3*H*-imidazo[4,5-c]pyridin-4-ylsulfanyl)phenyl]amine,
5 (4-bromo-6-trifluoromethyl-1*H*-benzimidazol-2-yl)-[4-(2-methyl-benzothiazol-5-yloxy)phenyl]amine,
(4-chloro-6-trifluoromethyl-1*H*-benzimidazol-2-yl)-[4-(2-methyl-benzothiazol-5-yloxy)phenyl]amine,
10 [2-(benzo-1,2,5-thiadiazol-5-yloxy)phenyl]-[4-bromo-6-trifluoromethyl-1*H*-benzimidazol-2-yl]amine,
(7-bromo-5-trifluoromethyl-1*H*-benzimidazol-2-yl)-[4-(imidazo[1,2-a]pyridin-8-yloxy)phenyl]amine,
15 [2-(benzo-1,2,5-thiadiazol-5-yloxy)phenyl]-[7-chloro-5-trifluoromethyl-1*H*-benzimidazol-2-yl]amine,
(4-bromo-6-trifluoromethyl-1*H*-benzimidazol-2-yl)-[4-(2,3-dihydrobenzo[1,4]dioxin-6-yloxy)phenyl]amine,
20 (7-chloro-5-trifluoromethyl-1*H*-benzimidazol-2-yl)-[4-(2,3-dihydrobenzo[1,4]dioxin-6-yloxy)phenyl]amine,
[2-(benzo-1,2,5-thiadiazol-4-yloxy)phenyl]-[4-bromo-6-trifluoromethyl-1*H*-benzimidazol-2-yl]amine,
25 [2-(benzo-1,2,5-thiadiazol-4-yloxy)phenyl]-[7-chloro-5-trifluoromethyl-1*H*-benzimidazol-2-yl]amine,
(4-bromo-6-trifluoromethyl-1*H*-benzimidazol-2-yl)-[4-(1-methyl-1*H*-imidazo[4,5-c]pyridin-4-ylsulfanyl)phenyl]amine,
30 [4-(benzo-1,2,5-thiadiazol-5-yloxy)-3-methylphenyl]-[7-bromo-5-trifluoromethyl-1*H*-benzimidazol-2-yl]amine,
[4-(benzo-1,2,5-thiadiazol-5-yloxy)-3-methylphenyl]-[7-chloro-5-trifluoromethyl-1*H*-benzimidazol-2-yl]amine,
35 [4-(benzo-1,2,5-thiadiazol-5-yloxy)-2-methylphenyl]-[7-bromo-5-trifluoromethyl-1*H*-benzimidazol-2-yl]amine,

- [4-(benzo-1,2,5-thiadiazol-5-yloxy)-2-methylphenyl]-(7-chloro-5-trifluoromethyl-1*H*-benzimidazol-2-yl)amine,
5 (4-bromo-6-trifluoromethyl-1*H*-benzimidazol-2-yl)-[4-(2,3-dihydrobenzo[1,4]dioxin-5-yloxy)phenyl]amine,
[4-chloro-6-trifluoromethyl-1*H*-benzimidazol-2-yl)-[4-(2,3-dihydrobenzo[1,4]dioxin-5-yloxy)phenyl]amine,
10 [4-(benzo[1,3]dioxol-4-yloxy)phenyl]-[4-bromo-6-trifluoromethyl-1*H*-benzimidazol-2-yl)amine,
[4-(benzo[1,3]dioxol-4-yloxy)phenyl]-[4-chloro-6-trifluoromethyl-1*H*-benzimidazol-2-yl)amine,
15 [4-(benzo[1,3]dioxol-5-yloxy)phenyl]-[4,5-difluoro-1*H*-benzimidazol-2-yl)amine,
[4-(benzo[1,3]dioxol-5-yloxy)phenyl]-[5-fluoro-1*H*-benzimidazol-2-yl)amine,
20 [4-(benzo[1,3]dioxol-5-yloxy)phenyl]-[4,6-difluoro-1*H*-benzimidazol-2-yl)amine,
[4-(benzo-1,2,5-thiadiazol-5-yloxy)phenyl]-[5-fluoro-1*H*-benzimidazol-2-yl)amine,
25 [4-(benzo-1,2,5-thiadiazol-5-yloxy)phenyl]-[4,5,6-trifluoro-1*H*-benzimidazol-2-yl)amine,
[6-chloro-4-trifluoromethyl-1*H*-benzimidazol-2-yl)-[2-(2,3-dihydrobenzo[1,4]dioxin-6-yloxy)phenyl]amine,
30 [4-(benzo-1,2,5-thiadiazol-5-ylsulfanyl)phenyl]-[4-bromo-6-trifluoromethyl-1*H*-benzimidazol-2-yl)amine,
[4-(benzo-1,2,5-thiadiazol-5-ylsulfanyl)phenyl]-[4-chloro-6-trifluoromethyl-1*H*-benzimidazol-2-yl)amine,
35 (4-bromo-6-trifluoromethyl-1*H*-benzimidazol-2-yl)-[4-(indan-5-yloxy)phenyl]amine,
5-[4-(6-fluoro-1*H*-benzimidazol-2-ylamino)phenoxy]indan-1-one,
[4-(benzo-1,2,5-thiadiazol-5-yloxy)-3-fluorophenyl]-[7-bromo-5-trifluoromethyl-1*H*-benzimidazol-2-yl)amine,

[4-(benzo-1,2,5-thiadiazol-5-yloxy)-3-fluorophenyl]-(7-chloro-5-trifluoromethyl-1*H*-benzimidazol-2-yl)amine,

(6,7-difluoro-1*H*-benzimidazol-2-yl)-[4-(indan-5-yloxy)phenyl]amine,

5 (6-fluoro-1*H*-benzimidazol-2-yl)-[4-(indan-5-yloxy)phenyl]amine,
[4-(indan-5-yloxy)phenyl]-(5,6,7-trifluoro-1*H*-benzimidazol-2-yl)amine,

10 (5,7-difluoro-1*H*-benzimidazol-2-yl)-[4-(indan-5-yloxy)phenyl]amine,

15 ethyl 5-[4-(4-bromo-6-trifluoromethyl-1*H*-benzimidazol-2-yl-amino)phenoxy]benzofuran-2-carboxylate,

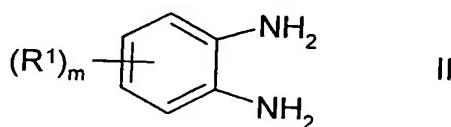
ethyl 5-[4-(4-chloro-6-trifluoromethyl-1*H*-benzimidazol-2-yl-amino)phenoxy]benzofuran-2-carboxylate,

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and pharmaceutically usable derivatives, solvates, salts and stereoisomers thereof, including mixtures thereof in all ratios.

20 10. Process for the preparation of compounds of the formula I according to Claims 1-9 and pharmaceutically usable derivatives, solvates, salts and stereoisomers thereof, characterised in that

25 a compound of the formula II

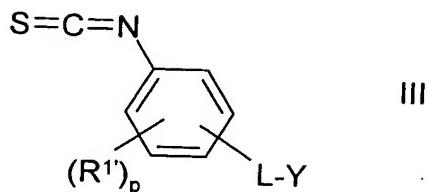


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in which R¹ and m have the meanings indicated in Claim 1,

is reacted with a compound of the formula III

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in which R¹, L, Y and p have the meanings indicated in Claim 1,

and/or a base or acid of the formula I is converted into one of its salts.

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11. Medicament comprising at least one compound according to Claim 1 and/or pharmaceutically usable derivatives, solvates, salts and stereoisomers thereof, including mixtures thereof in all ratios, and optionally excipients and/or adjuvants.
12. Use of compounds according to Claim 1, and pharmaceutically usable derivatives, solvates, salts and stereoisomers thereof, including mixtures thereof in all ratios, for the preparation of a medicament for the treatment of diseases in which the inhibition, regulation and/or modulation of kinase signal transduction plays a role.
13. Use according to Claim 12, where the kinases are selected from the group of tyrosine kinases and Raf kinases.
14. Use according to Claim 13, where the tyrosine kinases are TIE-2.
15. Use according to Claim 12 of compounds according to Claim 1, and pharmaceutically usable derivatives, solvates, salts and stereoisomers thereof, including mixtures thereof in all ratios,

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for the preparation of a medicament for the treatment of diseases which are influenced by inhibition of tyrosine kinases by the compounds according to Claim 1.

- 5 16. Use according to Claim 15 for the preparation of a medicament for the treatment of diseases which are influenced by inhibition of TIE-2 by the compounds according to Claim 1.
- 10 17. Use according to Claim 15 or 16, where the disease to be treated is a solid tumour.
- 15 18. Use according to Claim 17, where the solid tumour originates from the group brain tumour, tumour of the urogenital tract, tumour of the lymphatic system, stomach tumour, laryngeal tumour and lung tumour.
- 20 19. Use according to Claim 17, where the solid tumour originates from the group monocytic leukaemia, lung adenocarcinoma, small cell lung carcinomas, pancreatic cancer, glioblastomas and breast carcinoma.
- 25 20. Use according to Claim 15 or 16 for the treatment of a disease in which angiogenesis is implicated.
- 30 21. Use according to Claim 20, where the disease is an ocular disease.
- 35 22. Use according to Claim 15 or 16 for the treatment of retinal vascularisation, diabetic retinopathy, age-induced macular degeneration and/or inflammatory diseases.
23. Use according to Claim 22, where the inflammatory disease originates from the group rheumatoid arthritis, psoriasis, contact dermatitis and delayed hypersensitivity reaction.

24. Use according to Claim 15 or 16 for the treatment of bone pathologies, where the bone pathology originates from the group osteosarcoma, osteoarthritis and rickets.

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25. Medicament comprising at least one compound according to Claim 1 and/or pharmaceutically usable derivatives, solvates, salts and stereoisomers thereof, including mixtures thereof in all ratios, and at least one further medicament active ingredient.

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26. Set (kit) consisting of separate packs of
(a) an effective amount of a compound according to Claim 1 and/or pharmaceutically usable derivatives, solvates, salts and stereoisomers thereof, including mixtures thereof in all ratios, and
(b) an effective amount of a further medicament active ingredient.

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27. Use of compounds according to Claim 1 and/or physiologically acceptable salts and solvates thereof for the preparation of a medicament for the treatment of solid tumours, where a therapeutically effective amount of a compound according to Claim 1 is administered in combination with a compound from the group 1) oestrogen receptor modulator, 2) androgen receptor modulator, 3) retinoid receptor modulator, 4) cytotoxic agent, 5) antiproliferative agent, 6) a prenyl-protein transferase inhibitor, 7) HMG-CoA reductase inhibitor, 8) HIV protease inhibitor, 9) reverse transcriptase inhibitor and 10) further angiogenesis inhibitors.

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28. Use of compounds according to Claim 1 and/or physiologically acceptable salts and solvates thereof for the preparation of a medicament for the treatment of solid tumours, where a therapeutically

effective amount of a compound according to Claim 1 is administered in combination with radiotherapy and a compound from the group 1) oestrogen receptor modulator, 2) androgen receptor modulator, 3) retinoid receptor modulator, 4) cytotoxic agent, 5) antiproliferative agent, 6) prenyl-protein transferase inhibitor, 7) HMG-CoA reductase inhibitor, 8) HIV protease inhibitor, 9) reverse transcriptase inhibitor and 10) further angiogenesis inhibitors.

- 5 29. Use according to Claim 12, 13 or 14 for the preparation of a medicament for the treatment of diseases which are based on disturbed TIE-2 activity,
10 where a therapeutically effective amount of a compound according to Claim 1 is administered in combination with a growth-factor receptor inhibitor.
- 15 30. Use according to Claim 12 or 13 of compounds according to Claim 1, and pharmaceutically usable derivatives, solvates, salts and stereoisomers thereof, including mixtures thereof in all ratios,
20 for the preparation of a medicament for the treatment of diseases which are caused, mediated and/or propagated by Raf kinases.
- 25 31. Use according to Claim 30, where the Raf kinase is selected from the group consisting of A-Raf, B-Raf and Raf-1.
- 30 32. Use according to Claim 30, where the diseases are selected from the group of hyperproliferative and non-hyperproliferative diseases.
- 35 33. Use according to Claim 30 or 32, where the disease is cancer.
34. Use according to Claim 30 or 32, where the disease is non-cancerous.

35. Use according to Claim 30, 32 or 34, where the non-cancerous diseases are selected from the group consisting of psoriasis, arthritis, inflammation, endometriosis, scarring, benign prostatic hyperplasia, immunological diseases, autoimmune diseases and immuno-deficiency diseases.

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36. Use according to one of Claims 30, 32 or 33, where the diseases are selected from the group consisting of brain cancer, lung cancer, squamous cell cancer, bladder cancer, gastric cancer, pancreatic cancer, hepatic cancer, renal cancer, colorectal cancer, breast cancer, head cancer, neck cancer, oesophageal cancer, gynaecological cancer, thyroid cancer, lymphoma, chronic leukaemia and acute leukaemia.

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